

Applicant : BROWN, RICHARD Page 2
Serial Number : 10/690,808
Amendment in Response to Office Action of 07/18/2005

AMENDMENTS TO THE SPECIFICATION

Please amend Page 5 of the specification beginning on line 4 as follows:

Further provided is a pair of fingers. The fingers have lower free ends. The lower free ends have facing tips. The facing tips are formed with recesses. The recesses receive and ~~supporting~~ support a flange of a workpiece. The fingers have an upper follower. The follower is vertically reciprocable to move the tips between an expanded orientation and a contracted orientation. The expanded orientation is for releasing a workpiece. The contracted orientation is for retaining a workpiece.

~~Provided last is a rotatable main shaft. The main shaft has a cam. The cam is operable with an air valve. The air valve has a driver button. In this manner the cam will periodically contact the button. The button and valve are adapted to periodically actuate the air cylinder. The air cylinder is actuated through~~ are lines for reciprocating the transfer housing between a workpiece accepting orientation remote from the support plate wherein the fingers are contracted and a workpiece delivering orientation adjacent to the support plate whereat the fingers are expanded.

Applicant : BROWN, RICHARD Page 3
Serial Number : 10/690,808
Amendment in Response to Office Action of 07/18/2005

Please amend the specification on Page 9 by deleting lines 13 and 14 as follows:

~~Figure 8s is a side elevational view of the main shaft and cam periodically activating the pneumatic air valve devices.~~

Please amend the three paragraphs beginning on Page 10, line 12 spanning to Page 12 as follows:

Further provided is a pair of fingers 36, 38 which includes a driver finger 36 and a driven finger 38. The fingers have lower free ends. The lower free ends have facing tips 40. The facing tips are formed with recesses 42. The recesses receive and supporting support a flange 14 of a workpiece 12. The fingers have an upper follower 44. The follower is vertically reciprocable to move the tips between an retracted orientation and a contracted orientation. The retracted orientation is for releasing a workpiece. The contracted orientation is for retaining a workpiece.

Movement of the fingers is caused by a driver toggle 35 coupled to one end of support shaft 31. Such shaft oscillates about axis A2. The opposite end of such shaft supports collar 47 which, in turn, oscillates the driver finger 36. Driven toggle 37 is supported upon support shaft 31 for oscillation about axis A1. The driven toggle is coupled to the driven finger 38. The

Applicant : BROWN, RICHARD Page 4
Serial Number : 10/690,808
Amendment in Response to Office Action of 07/18/2005

toggles oscillate around parallel pivot shafts 31 which have parallel axes of oscillation A1 and A2. Oscillating pivot shaft 39 with axis A3 is attached to the collar 47 and is slidably received in a duck-bill recess of the driven toggle 37. In this manner, the oscillating movement of the driver toggle 35 and collar 47 moves the pivot shaft 39. This in turn moves the driven toggle 37 for contracting and retracting the fingers. A drive rod 41, reciprocates along its axis perpendicular to the axes of the pivot shafts to contact and pivot the driver toggle and thereby retract the fingers. A coacting coil spring 43 pivots the driver toggle oppositely upon the movement of the drive rod away from the driver toggle. Movement of the drive rod is adapted to be caused by the driving components and the main shaft of the system.

~~Provided last is a rotatable main shaft 40. The main shaft has a cam 50. The cam is operable with an air valve 52. The air valve has a driver button 54. In this manner the cam will periodically contact the button 54. The button and valve are adapted to periodically actuate the air cylinder. The air cylinder is actuated through lines~~ Lines function for reciprocating the transfer housing between a workpiece accepting orientation remote from the support plate wherein the fingers are

Applicant : BROWN, RICHARD Page 5
Serial Number : 10/690,808
Amendment in Response to Office Action of 07/18/2005

contracted and a workpiece delivering orientation adjacent to the support plate whereat the fingers are retracted.

Please amend the paragraph beginning on Page 12, Line 21 spanning Page 13 as follows:

Opening and closing of the air cylinder is timed by a special cam system driver off the main shaft for the knock out and transfer system. Movement of the transfer system in the longitudinal direction is controlled by a pneumatic air valve driven by the cam system. Air regulator downstream of valve controls the speed at which the air cylinder moves away and toward the die block. Modified finger transfer system with a keyway allows the adjustment of the distance the air cylinder moves ~~form~~ from the die block. This distance can vary from 1/8 inch to 2 inches.